C.J. = CONSTRUCTION JOINT

LIQUID-TIGHT JOINT YES 8

IF SLAB AND WALL ARE POURED SEPARATELY, THE SLAB SURFACE MUST BE THOROUGHLY CLEANED WITH WATER AND A WIRE BRUSH. THE SURFACE OF

CONSTRUCTION JOINT OPTIONS

WALL

VIEW)

Date

<u>06/23/0</u>5

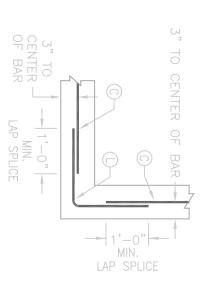
AND A WIRE BRUSH. THE SURFACE THE JOINT SHALL BE KEPT MOIST FOR AT LEAST 1 HOUR PRIOR TO PLACEMENT OF NEW CONCRETE.

JOINT OPTIONS

- NON-METALIC WATERSTOP
- 2) HYDROPHILIC WATERSTOP

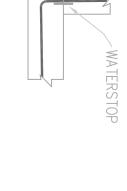








A-023 A-024



A #4

•DRAINAGE SHALL BE AWAY FROM THE WALL.
•THE MINIMUM WIDTH OF THE BACKFILL AGAINST THE WALL SHALL BE THE BACKFILL HEIGHT.

EQUAL TO OR

GREATER THAN

·MAXIMUM FOOTING CONTACT PRESSURE IS 240 psf/ft.

(GRADE

CONCRETE (0.668 LBS./FT) LBS.

TYPE 2 BAR

(0.086 CU.YDS./LIN.FT.) CU. YDS.

TOTAL LENGTH OF WALL

STEEL #4

*CONCRETE SHALL MEET PA STANDARD 313 OR 561 SPEC REQUIREMENTS. *SUBSTITUTION OF GRADE 60 BARS IS PERMITTED. *MINIMUM SPLICE LENGTH FOR MARK (®) AND (©) BARS IS 12" *STEEL QUANTITY DOES NOT INCLUDE SPLICE LENGTHS.

STEEL SCHEDULE

MARK SIZE QUAN TYPE R S LENGTH LENGTH LENGTH A 4 53 2 1'-3" 2'-3" 3'-6" B 4 212 STR C 4 53 STR L 4 2 2 2'-0" 2'-0" 4'-0"			FIGH	#4 BARS TOTAL LENGTH	ARS T	#4 F			
SIZE QUAN TYPE R S LENGTH 4 53 2 1'-3" 2'-3" 3'-6" 4 212 STR 4 53 STR			4'-0"	2'-0"	2'-0"	2	2	4	_
SIZE QUAN TYPE R S LENGTH 4 53 2 1'-3" 2'-3" 3'-6" 4 212 STR						STR	53	4	С
SIZE QUAN TYPE R S LENGTH 4 53 2 1'-3" 2'-3" 3'-6"				-	-	STR	212	4	w
SIZE QUAN TYPE R S LENGTH			3'-6"	2'-3"	1'-3"	2	53	4	Α
	H	TOT/ LENC	LENGTH	S	R	TYPE	QUAN	SIZE	MARK

NOTES:

DIMENSIONS ARE TO THE REINFORCING BAR SURFACE

UNLESS OTHERWISE NOTED.

BACKFILL TO THE TOP OF THE WALL IS RECOMMENDED FOR

FROST PROTECTION.

ESTIMATED QUANTITIES

#4

0

EARTH PRESSURE VALUES, OFFICE TECHNICAL GUIDE.

WALL DESIGN LOADING: 313 STANDARD — LATERAL EARTH F SEE SECTION IV OF THE FIELD OFFICE *MANURE LOAD INSIDE = 65 psf/ft. *SOIL BACKFILL LOAD OUTSIDE = 60 or 75 psf/ft. *SURCHARGE LOAD = 120 psf *SOIL BACKFILL DENSITY = 110 pcf.

·WATER TABLE MUST BE BELOW THE FOOTING ELEVATION

WALL RESTRAINT REQUIREMENTS: 5" THICK SLAB, SAFETY FACTOR AGAINST SLIDING 1.5 MIN.

1 FOOT O FEET	BACKFILL HEIGHT (OUTSIDE LOAD)
9 FEET 10 FEET NO SLAB NO SLAB	SLAB LENGTH NO INSIDE LOAD <u>EFP=60</u> <u>EFP=75</u>
NO SLAB	SLAB LENGTH FULL INSIDE LOAD

THIS STANDARDIZED DESIGN MUST BE ADAPTED TO THE SPECIFIC SITE. IT WAS DEVELOPED IN COOPERATION WITH THE WISCONSIN DEPARTMENT OF AGRICULTURAL, TRADE AND CONSUMER PROTECTION. THE DESIGN FOLDER IS FILED AT THE NRCS STATE OFFICE, 8030 EXCELSIOR DRIVE, MADISON, WI. 53717-2906

(ADAPTED FROM WI-510, APRIL 2005)

COUNTY, PENNSYLVANIA

1' HIGH, 6" L-WALL (W/SURCHARGE)

PA-017A

TJA